

Amendments to the Specification:

After the title of the invention on page 1 please insert the following heading:

--BACKGROUND OF THE INVENTION--.

Please replace the heading at page 1, line 10, with the following new heading:

--Description of the Prior Art--.

Please replace the paragraph on page 1, line 28 with the following new paragraph:

International Published Application WO 00/65429 discloses a graphical user interface for display on a screen such as the monitor of a television set, in which object fields corresponding to pre-defined choices of content sources is displayed in a vertical column of object fields and a horizontal row of subordinate object fields. The row and the column extend along vertical and horizontal side edges of the display screen respectively. The row and the column intersect in a focus area and are each scrollable ~~i.e. that is~~ act as scroll bars so that the individual object fields can be scrolled into the focus area. Each of the object fields in the column may define a general group of content sources and thus may act as a folder which contains a number of individual bookmarks for Internet sites and channels of interest to the user. When the individual object field or folder is brought into the focus area by scrolling the vertical scroll bar, the horizontal scroll bar is populated with bookmarks associated with the folder. The user can then scroll the horizontal scroll bar to bring the bookmarks into the focus area and then select the bookmark in the focus area. The bookmark in the focus area may itself contain a number of

sub-object fields, and if so, these are then displayed in the object fields of the vertical scroll bar so that the vertical scroll bar can again be scrolled in order to make a selection from them.

Please replace the heading at page 2, line 21 with the following new heading:  
--SUMMARY OF THE INVENTION--.

Please replace the paragraph on page 2, line 22 with the following new paragraph:

~~It is an object of the~~ The invention ~~to provide~~ provides a graphical user interface which may be used to select content sources which is easier for the user to navigate.

Please replace the paragraph on page 2, line 25 with the following new paragraph:

Broadly stated, the invention provides a device to provide a graphical user interface for selecting content from a plurality of sources thereof, the user interface comprising: a focus region, and first and second transversely extending scroll bars which each comprise a plurality of scroll bar elements that can be scrolled successively through the focus region, the scroll bar elements of the first scroll bar signifying groupings of content sources, such that when elements of the first scroll bar are scrolled individually into the focus region, the scroll bar elements of the second scroll bar signify content sources which are included within a grouping thereof associated with the individual element of the first scroll bar, whereby the scroll bar elements of the second

scroll bar can be scrolled through the focus region to select a content source of the grouping, at least one of the scroll bar elements of the first scroll bar comprising a multiple depiction of more than one of ~~said-the~~ content source groupings, whereby an individual one of the groupings may be selected from the multiple depiction for the focus region.

Please replace the heading at page 3, line 20 with the following new heading:

--BRIEF DESCRIPTION OF THE DRAWINGS --.

Please replace the heading at page 4, line 1 with the following new heading:

--DETAILED DESCRIPTION OF THE INVENTION --.

Please replace the paragraph on page 4, line 2 with the following new paragraph:

Referring to Figure 1, a home entertainment device 1 includes a television display monitor 2, control unit 3 and a handheld remote controller 4 coupled through a wireless link ~~e.g. for example~~ infrared, to the control unit 3.

Please replace the paragraph on page 5, line 23 with the following new paragraph:

Each of the scroll bars V, H comprise a series of scroll bar elements  $V_0 - V_M$  and  $H_0 - H_N$ . Considering the vertical scroll bar V, the scroll bar elements  $V_0 - V_M$  comprise individual object fields in which information concerning sources of program content can be displayed. In this example, the vertical scroll bar elements comprise essentially two-dimensional rectangular

displays. The scroll bar elements V can be scrolled vertically through the focus region 16 by use of the “up” and “down” scroll buttons 17 and 18, so as to achieve scrolling in the direction of arrow 19 shown in Figure 3. The scroll bar elements  $H_0 - H_N$  comprise depictions of three dimensional elements which include more than one object field. In the example of Figure 3, the horizontal elements comprise polygonal elements, in the form of a three dimensional rectangular block for which the individual faces or facets comprise individual object fields. The horizontal scroll bar H can be scrolled left and right in horizontal scrolling direction 20 under the control of “left” and “right” scrolling buttons 21, 22 on the remote controller 4 shown in Figure 1. Thus, the horizontal scroll bar can be scrolled so as to move the individual scroll bar elements into the focus region 16. The user interface is so arranged that when an individual horizontal scroll bar element is moved into the focus region 16, the objects fields for the vertically extending scroll bar elements V are populated with a group of objects which signify individual content sources i.e. to provide details concerning content sources that fall within a group associated with the individual horizontal scroll bar element displayed in the focus region 16. The population of the individual vertical scroll bar elements with the content source information is initiated by depressing a select button 23 on the remote controller 4 shown in Figure 1. As will be explained in more detail hereinafter, the horizontal scroll bar elements can be ~~personalised~~ personalized for individual users of the home entertainment device. For example in a family, the scroll bar can be configured for use by father, mother, son and daughter. In the example of Figure 3, the horizontal scroll bar has been configured for use by the father and a horizontal scroll bar element  $H_1$

concerning “news” has been horizontally scrolled into the focus region 16. Then, by depressing the select button 23 on the remote controller, the vertical scroll bar elements are populated with details concerning content sources that the father has selected to form a group associated with “news” for the horizontal scroll bar element  $H_1$ . Having selected the scroll bar element  $H_1$  for “news” in the focus region 16, the user can then operate the vertical scrolling keys 17, 18 on the controller 4 to scroll the vertical scroll bar V so as to move one of the vertical scroll bar elements V into the focus region 16. As shown in Figure 3, the vertical scroll bar elements may individually signify different sources of news programming content e.g. for example broadcast news channel 1 ( $V_2$ ) which may be conventional broadcast channel, cable news channel 2 ( $V_3$ ), received through the cable programming source 7 (Figure 2), an Internet news site ( $V_4$ ) accessible through the Internet source 8 and a satellite news channel ( $V_5$ ) for which content is received from the source 6 shown in Figure 2. When the desired vertical scroll bar element has been scrolled into the focus region 16, the select button 23 of the controller 4 is operated, which results in the programming source being selected and displayed on the display 5. Textual information concerning the selected programming source is displayed optionally in a text area 24 on the display. The programming content itself for the selected source is initially display in region 25. Thereafter, the graphical user interface can be switched off and the programming content displayed over the entire area of the screen 5. This may be at the control of the user or after a predetermined time following operation of the select button 23. Also, the programming content when displayed in region 25 may be used to provide a preview of the content of

individual programming sources. Thus, by scrolling the vertical scroll bar, individual scroll bar elements can be moved into the focus region 16 and their corresponding content displayed as a preview.

Please replace the paragraph on page 7, line 11 with the following new paragraph:

In accordance with the invention, the horizontal scroll bar elements H comprise three-dimensional depictions of more than one content source grouping. Thus, in the example of Figure 3, the horizontal bar elements each provide content source groupings for individual family members - father, mother, son, daughter. The groupings for individual family members can be selected by rotating the horizontal scroll bar about its longitudinal axis as shown in Figure 4. Figure 4A illustrates the configuration of scroll elements shown in Figure 3, with father's content source groupings, facing forwardly; hence father's groupings are active. In order to activate the groupings for other family members, the scroll bar is rotated about longitudinal axis X-X' in the direction of arrow Y. This may be achieved by operating the controller 4. For example, a "rotate" button 26 may be depressed, which causes the horizontal scroll bar to rotate through 90° into the configuration shown in Figure 4B, with mother's groupings facing forward and hence active. Considering the scroll bar elements H<sub>1</sub> that is located in the focus region 16, the grouping "mother-shopping" is brought into the active focus region by the rotation of the horizontal scroll bar. Then, if the select button 23 is depressed, the vertical scroll bar is populated with programming sources concerning shopping, as shown in Figure 4b. Furthermore, the horizontal scroll bar can

then be scrolled to bring other horizontal scroll bar elements into the focus region 16 ~~e.g. for example~~ element  $H_3$ , in which case the vertical scroll bar element can be populated with programming source information concerning “fashion”. Thereafter, an individual programming source can be selected by scrolling the vertical scroll bar as previously described.